RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/550,327_

Source: _PU7/0_

Date Processed by STIC: _10/5/05_

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PCT

RAW SEQUENCE LISTING   DATE: 10/05/2005
PATENT APPLICATION: US/10/550,327   TIME: 16:16:11

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\10052005\J550327.raw**

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 3 <110> APPLICANT: Bayer AG, BHC
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
Endothelial
 6         Differentiation, Sphingolipid G-Protein-Coupled Receptor 6 (EDG6)
 8 <130> FILE REFERENCE: Le A 36 643
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/550,327
C--> 10 <141> CURRENT FILING DATE: 2005-09-22
10 <160> NUMBER OF SEQ ID NOS: 33
12 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 1566
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
19 <400> SEQUENCE: 1
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22 ccaacagctg gcggccggcg ggcacagccg gctcattgtt ctgcactaca accactcggg   120
24 ccggctggcc gggcgcgggg ggccggagga tggcggcctg ggggccctgc gggggctgtc   180
26 ggtggccgcc agctgcctgg tggtgctgga gaacttgctg gtgctggcgg ccatcaccag   240
28 ccacatgcgg tcgcgacgct gggtctacta ttgcctggtg aacatcacgc tgagtgacct   300
30 gctcacgggc gcggcctacc tggccaacgt gctgctgtcg ggggcccgca ccttccgtct   360
32 ggcgcccgcc cagtggttcc tacgggaggg cctgctcttc accgccctgg ccgcctccac   420
34 cttcagcctg ctcttcactg caggggagcg ctttgccacc atggtgcggc cggtggccga   480
36 gagcggggcc accaagacca gccgcgtcta cggcttcatc ggcctctgct ggctgctggc   540
38 cgcgctgctg gggatgctgc ctttgctggg ctggaactgc ctgtgcgcct ttgaccgctg   600
40 ctccagcctt ctgcccctct actccaagcg ctacatcctc ttctgcctgg tgatcttcgc   660
42 cggcgtcctg gccaccatca tgggcctcta tgggggccatc ttccgcctgg tgcaggccag   720
44 cgggcagaag gccccacgcc cagcggcccg ccgcaaggcc cgccgcctgc tgaagacggt   780
46 gctgatgatc ctgctggcct tcctggtgtg ctggggccca ctcttcgggc tgctgctggc   840
48 cgacgtcttt ggctccaacc tctgggccca ggagtacctg cggggcatgg actggatcct   900
50 ggccctggcc gtcctcaact cggcggtcaa ccccatcatc tactccttcc gcagcaggga   960
52 ggtgtgcaga gccgtgctca gcttcctctg ctgcgggtgt ctccggctgg gcatgcgagg  1020
54 gcccggggac tgcctggccc gggccgtcga ggctcactcc ggagcttcca ccaccgacag  1080
56 ctctctgagg ccaagggaca gctttcgcgg ctcccgctcg ctcagctttc ggatgcggga  1140
58 gccctgtcc agcatctcca gcgtgcggag catctgaagt tgcagtcttg cgtgtggatg  1200
60 gtgcagccac cgggtgcgtg ccaggcaggc cctcctgggg tacaggaagc tgtgtgcacg  1260
62 cagcctcgcc tgtatgggga gcagggaacg ggacaggccc ccatggtctt cccggtggcc  1320
64 tctcggggct tctgacgcca aatgggcttc ccatggtcac cctggacaag gaggtaacca  1380
66 ccccacctcc ccgtaggagc agagagcacc ctggtgtggg ggcgagtggt tccccacaac  1440
68 cccgcttctg tgtgattctg gggaagtccc ggcccctctc tgggcctcag tagggctccc  1500
70 aggctgcaag gggtggactg tgggatgcat gccctggcaa cattgaagtt cgatcatggt  1560
72 aaaaaa                                                             1566
75 <210> SEQ ID NO: 2
76 <211> LENGTH: 384
77 <212> TYPE: PRT
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 80 <400> SEQUENCE: 2
 82 Met Asn Ala Thr Gly Thr Pro Val Ala Pro Glu Ser Cys Gln Gln Leu
 83 1               5                   10                  15
 86 Ala Ala Gly Gly His Ser Arg Leu Ile Val Leu His Tyr Asn His Ser
 87             20              25                  30
 90 Gly Arg Leu Ala Gly Arg Gly Gly Pro Glu Asp Gly Gly Leu Gly Ala
 91         35              40                  45
 94 Leu Arg Gly Leu Ser Val Ala Ala Ser Cys Leu Val Val Leu Glu Asn
 95     50                  55                  60
 98 Leu Leu Val Leu Ala Ala Ile Thr Ser His Met Arg Ser Arg Arg Trp
 99 65                  70                  75                  80
102 Val Tyr Tyr Cys Leu Val Asn Ile Thr Leu Ser Asp Leu Leu Thr Gly
103                 85                  90                  95
106 Ala Ala Tyr Leu Ala Asn Val Leu Leu Ser Gly Ala Arg Thr Phe Arg
107             100                 105                 110
110 Leu Ala Pro Ala Gln Trp Phe Leu Arg Glu Gly Leu Leu Phe Thr Ala
111         115                 120                 125
114 Leu Ala Ala Ser Thr Phe Ser Leu Leu Phe Thr Ala Gly Glu Arg Phe
115     130                 135                 140
118 Ala Thr Met Val Arg Pro Val Ala Glu Ser Gly Ala Thr Lys Thr Ser
119 145                 150                 155                 160
122 Arg Val Tyr Gly Phe Ile Gly Leu Cys Trp Leu Leu Ala Ala Leu Leu
123             165                 170                 175
126 Gly Met Leu Pro Leu Leu Gly Trp Asn Cys Leu Cys Ala Phe Asp Arg
127         180                 185                 190
130 Cys Ser Ser Leu Leu Pro Leu Tyr Ser Lys Arg Tyr Ile Leu Phe Cys
131         195                 200                 205
134 Leu Val Ile Phe Ala Gly Val Leu Ala Thr Ile Met Gly Leu Tyr Gly
135     210                 215                 220
138 Ala Ile Phe Arg Leu Val Gln Ala Ser Gly Gln Lys Ala Pro Arg Pro
139 225                 230                 235                 240
142 Ala Ala Arg Arg Lys Ala Arg Arg Leu Leu Lys Thr Val Leu Met Ile
143             245                 250                 255
146 Leu Leu Ala Phe Leu Val Cys Trp Gly Pro Leu Phe Gly Leu Leu Leu
147             260                 265                 270
150 Ala Asp Val Phe Gly Ser Asn Leu Trp Ala Gln Glu Tyr Leu Arg Gly
151         275                 280                 285
154 Met Asp Trp Ile Leu Ala Leu Ala Val Leu Asn Ser Ala Val Asn Pro
155         290                 295                 300
158 Ile Ile Tyr Ser Phe Arg Ser Arg Glu Val Cys Arg Ala Val Leu Ser
159 305                 310                 315                 320
162 Phe Leu Cys Cys Gly Cys Leu Arg Leu Gly Met Arg Gly Pro Gly Asp
163                 325                 330                 335
166 Cys Leu Ala Arg Ala Val Glu Ala His Ser Gly Ala Ser Thr Thr Asp
167             340                 345                 350
170 Ser Ser Leu Arg Pro Arg Asp Ser Phe Arg Gly Ser Arg Ser Leu Ser
171         355                 360                 365
174 Phe Arg Met Arg Glu Pro Leu Ser Ser Ile Ser Ser Val Arg Ser Ile
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PATENT APPLICATION: US/10/550,327   TIME: 16:16:11

Input Set : A:\PTO.KD.txt
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178 <210> SEQ ID NO: 3
179 <211> LENGTH: 20
180 <212> TYPE: DNA
181 <213> ORGANISM: artificial sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: forward primer
186 <400> SEQUENCE: 3
187 gtctttggct ccaacctctg                                    20
190 <210> SEQ ID NO: 4
191 <211> LENGTH: 18
192 <212> TYPE: DNA
193 <213> ORGANISM: artificial sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: reverse primer
198 <400> SEQUENCE: 4
199 ggccaggatc cagtccat                                       18
202 <210> SEQ ID NO: 5
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: artificial sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: probe
210 <400> SEQUENCE: 5
211 cccaggagta cctgcggggc                                    20
214 <210> SEQ ID NO: 6
215 <211> LENGTH: 24
216 <212> TYPE: DNA
217 <213> ORGANISM: artificial sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: S1P1 sense primer
222 <400> SEQUENCE: 6
223 gtgggctgca aggtgaagac ctgt                               24
226 <210> SEQ ID NO: 7
227 <211> LENGTH: 24
228 <212> TYPE: DNA
229 <213> ORGANISM: artificial sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: S1P1 antisense primer
234 <400> SEQUENCE: 7
235 tttctggggg tgggaggaat tgtc                               24
238 <210> SEQ ID NO: 8
239 <211> LENGTH: 24
240 <212> TYPE: DNA
241 <213> ORGANISM: artificial sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: S1P2 sense primer
246 <400> SEQUENCE: 8
247 gtcatcctct gttgcgccat tgtg                               24
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250 <210> SEQ ID NO: 9
251 <211> LENGTH: 24
252 <212> TYPE: DNA
253 <213> ORGANISM: artificial sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: S1P2 antisense primer
258 <400> SEQUENCE: 9
259 aggctgaaga cagaggccga gagc                                    24
262 <210> SEQ ID NO: 10
263 <211> LENGTH: 24
264 <212> TYPE: DNA
265 <213> ORGANISM: artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: S1P3 sense primer
270 <400> SEQUENCE: 10
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274 <210> SEQ ID NO: 11
275 <211> LENGTH: 24
276 <212> TYPE: DNA
277 <213> ORGANISM: artificial sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: S1P3 antisense primer
282 <400> SEQUENCE: 11
283 gtggggcagg tcttccttga cctt                                    24
286 <210> SEQ ID NO: 12
287 <211> LENGTH: 24
288 <212> TYPE: DNA
289 <213> ORGANISM: artificial sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: S1P4 sense primer
294 <400> SEQUENCE: 12
295 tccagccttc tgcccctcta ctcc                                    24
298 <210> SEQ ID NO: 13
299 <211> LENGTH: 24
300 <212> TYPE: DNA
301 <213> ORGANISM: artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: S1P4 antisense primer
306 <400> SEQUENCE: 13
307 caggaaggcc agcaggatca tcag                                    24
310 <210> SEQ ID NO: 14
311 <211> LENGTH: 20
312 <212> TYPE: DNA
313 <213> ORGANISM: artificial sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: S1P5 sense primer
318 <400> SEQUENCE: 14
319 aggacttcgc ttttgctctg                                         20
322 <210> SEQ ID NO: 15
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324 <212> TYPE: DNA
325 <213> ORGANISM: artificial sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: S1P5 antisense primer
330 <400> SEQUENCE: 15
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334 <210> SEQ ID NO: 16
335 <211> LENGTH: 20
336 <212> TYPE: DNA
337 <213> ORGANISM: artificial sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: GATA-1 sense primer
342 <400> SEQUENCE: 16
343 cacctggtgt agcttgtagt                                      20
346 <210> SEQ ID NO: 17
347 <211> LENGTH: 20
348 <212> TYPE: DNA
349 <213> ORGANISM: artificial sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: GATA-1 antisense primer
354 <400> SEQUENCE: 17
355 cccaagcttc gtggaactct                                      20
358 <210> SEQ ID NO: 18
359 <211> LENGTH: 21
360 <212> TYPE: DNA
361 <213> ORGANISM: artificial sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: GATA-2 sense primer
366 <400> SEQUENCE: 18
367 tgttgtgcaa attgtcagac g                                    21
370 <210> SEQ ID NO: 19
371 <211> LENGTH: 21
372 <212> TYPE: DNA
373 <213> ORGANISM: artificial sequence
375 <220> FEATURE:
376 <223> OTHER INFORMATION: GATA-2 antisense primer
378 <400> SEQUENCE: 19
379 cataggtgcc atgtgtccag c                                    21
382 <210> SEQ ID NO: 20
383 <211> LENGTH: 25
384 <212> TYPE: DNA
385 <213> ORGANISM: artificial sequence
387 <220> FEATURE:
388 <223> OTHER INFORMATION: Fli-1 sense primer
390 <400> SEQUENCE: 20
391 cgccaccacc ctctacaaca cggaa                                25
394 <210> SEQ ID NO: 21
395 <211> LENGTH: 25
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/550,327**

DATE: 10/05/2005
TIME: 16:16:12

Input Set : **A:\PTO.KD.txt**
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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date